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MASS FLOW METER FOR FLOWING MEDIUM

Bibliographic data

[Description](#)

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+

Applicant(s): KRONE AG +

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JP3335047 (B2)
 EP0691528 (A2)
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Abstract of JP 8170927 (A)

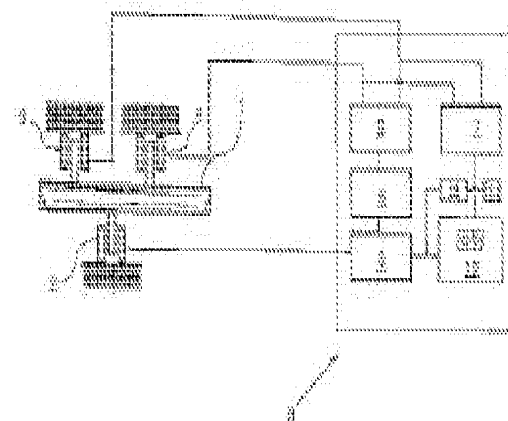
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PROBLEM TO BE SOLVED: To enhance accuracy in the measurement of mass flow rate by setting an optimal value adjustably for the exciting energy generator in a Coriolis tube during operation of a mass flowmeter thereby sustaining the exciting oscillation of the Coriolis tube caused by peripheral factors at an optimal level constantly.

SOLUTION: The mass flowmeter comprises an oscillation generator 2 for oscillating a Coriolis tube to introduce a fluid medium, two measurement detectors 3, 4 for detecting Coriolis oscillation caused by Coriolis force, and a control unit 5 for evaluating the measurement signals from the detectors 3, 4. The oscillation generator 2 oscillates the

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Coriolis tube with exciting energy. The control unit 5 comprises an exciting energy generator 6 for feeding the exciting energy to the oscillation generator 2.; Exciting energy of the exciting energy generator 6 can be set and adjusted during operation. In other words, the exciting energy can be elevated to a level for providing a measurement corresponding to a predetermined mass flow during the calibration process of the mass flowmeter.



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